Property			1			#		l				-	ΙK							
Mathematical Control Mathematical Mathematical Control Mathe	Exe	rcise	Date	Location	IAW System	Recovered, SCORED, and/or GT	of Items		MK - 16 Tail 63/83	12 Tail MK	-65 M			2 MK-44 MK-46		MK-51	Moored MK-49	(not E	Recovered Beyond System	Notes:
Manual Control			2/26/10 -		200	200.12		200												
Marie Mari			2/26/10 -		30	30		30												(2) MK62 had pinger attached but not sounding, (1) MK62 had not pinger attached. (3) missing MK65 not at intended and no
Control Cont			2/26/10 -		38	39		37			1			+ +					3	
State 1		ANMS	3/7/10	San Clemente Island, CA	6	6	\$60,000										6			(1) K-4 missing
Column C	Truck transport	Location and	3/30/10 =																	
Part	Airlift PC to SD	Operation	4/3/10	Panama City, FL	1	1	\$150,000											1		MK5 system located ANMS unit, ROV recovered
March Marc	Ship Layed	2010	5/19/10	San Diego, CA	8	8														
Delication 1975 197	Ship Layed	RIMPAC		Penguin Banks, Kauai, Barking Sands		64	\$640,000						1	1 11 13	. 9	11	9			
Part		COMSUBPAC Range	7/24/10 -																	
Marco Co. 1970	Ship Layed	Maintenance	8/17/10	Kaho'olawe Range, HI		15	\$150,000										15			
State Marie Mari				San Clemente Island, CA	7	7	\$70,000	7												
Section Control Cont			8/12/10 -																	
Secretic Microscope (1985) Secretic Microscope (Ship Layed		8/14/10	San Clemente Island, CA	1	1	\$10,000										1			
Control Cont	Spawar 86	MK4 Range Maintenance	10/16/10	Alpha Field, CA	10	10	\$100,000										10			
Second Second Members					10	10	\$100,000													
Notes				Tanner Banks	30	30	\$300,000						13	2			15	1 beacon		targets were surveyed
Notes		CSFTP CSG	11/15-																	
Section Sect	Surveyor	MINEX	17/2010	San Clemente Island, CA	8	8	\$80,000	8												
Section Sect	Cunming	Vina Fisher	11/17/10	Can Clamanta Island CA			\$10,000													
Secret S	Surveyor	King risher	11/1//10	Sail Clemente Island, CA			\$10,000										-			
Secret S	Surveyor	King Fisher	02/15/11	San Clemente Island, CA	7	7	\$70,000										7			
Section Sect																				
Secretary Secr	Surveyor	RRG JTFEX	17/2011	San Clemente Island, CA	12	12	\$120,000		12										4	pingers not pinging
Second S			03/14-																	
Secret Base Marketonics	Surveyor		19/2011	San Clemente Island, CA	56	56	\$560,000	54			2								22	Targets were not stenciled, only general location was given, and most pingers were not installed
Survey 1775	Spawar 86	MK4 Range Maintenance	04/05/11	Alpha Field, CA	10	10	\$100,000										10			
Survey ITEX 17091 Sen Comment laters C.O. 6 8 8 50000 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																				
Second S	Surveyor	JTFEX		San Clemente Island, CA	8	8	\$80,000	8												
Second S																				
Page	Surveyor	CVW-9 CTX	06/02/11	San Clemente Island, CA	5	5	\$50,000													
Page	Superior	King Eicher	06/03/11	San Clamente Island, CA			900,000													9 targets contented and curround
RECH SCORE fields (2011) Improved Baseds, CA 24 24 514000 2 4 5 2 1 1 1000 5 5 5 5 5 5 5 5 5	Surveyor		00/03/11	Sair Cierriente Island, CA			ψ00,000													o lalgeta replanteu anu surveyeu
RSC-1 77 BS 11/16-22/11 San Clemente Island, CA 3 9 \$30,000 0 46 4 4 57 Surveyor 340 WPB 0052911 San Clemente Island, CA 10 10 \$116,000 8 2 2 serious installed only 10 of those were working 300WPS 0052912 San Clemente Island, CA 0 61 \$408,000 47 4 4 57 Surveyor 37,000 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	RSC-1	SCORE field	08/11/11	Imperial Beach, CA	24	24	\$240,000						2	4 5 2		1	10(5)		5	5 moored targets broke lose, only anchors were recovered
RSC-1 77 BS 11/16-22/11 San Clemente Island, CA 3 9 \$30,000 0 46 4 4 57 Surveyor 340 WPB 0052911 San Clemente Island, CA 10 10 \$116,000 8 2 2 serious installed only 10 of those were working 300WPS 0052912 San Clemente Island, CA 0 61 \$408,000 47 4 4 57 Surveyor 37,000 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5																				
RSC-1 SCORE field 0328-2012 Imperial Beach, CA 0 50 \$400,000 46 4 5 50 no pingers were provided 50 not pingers were provided 50 no pingers were provided 50 not pingers severationly 10 no pingers were provided 50 not pingers severationly 10 no pingers were provided 50 not pingers severationly 10 not pingers se	Surveyor	340 WPS	08/25/11	San Clemente Island, CA	10	10	\$100,000	8			2								51	22 pingers were installed only 10 of those were working
RSC-1 SCORE field 0328-2012 Imperial Beach, CA 0 50 \$400,000 46 4 5 50 no pingers were provided 50 not pingers were provided 50 no pingers were provided 50 not pingers severationly 10 no pingers were provided 50 not pingers severationly 10 no pingers were provided 50 not pingers severationly 10 not pingers se	000 4	77.00	44/40 00/44	0 01			#00.000													anti-O alla sura attenta d
RSC-1 SCORE field 03/26/20/12 Imperial Black, CA 0 5 5 \$400,000 46 4	KSC-1		11/16-22/11	San Clemente Island, CA	3	9	\$90,000	9												only 3 pingers attached
Surveyor 340 WPS 0825/1 San Clemente Island, CA 10 10 \$116,000 8 2 2	RSC-1		03/26-29/12	Imperial Beach, CA	0	50	\$400,000	46	4										50	no pingers were provided
Spawer 86 340WPS 372612 372912																				
Spawar 88 340WPS 3/2912 San Clemente Island, CA 0 51 \$408,000 47 4	Surveyor	340 WPS	08/25/11	San Clemente Island, CA	10	10	\$116,000	8			2				-					22 pingers were installed only 10 of those were working
Spawar 86 MK4 Range 4/3/12 Alpha Field, CA 9 9 \$55,800 9 \$9 \$55,800 9 \$	Secur- 00	240W/DC	3/26/12 -	Son Clamenta Island CA	_		6400.000												E0	All toroids secred but not resourced. Persourced with PCC 4 along with TRUPS Comment 4.40 hims 6040
Spawar 86 Maintenance 44/12 Alpha Field, CA 9 9 \$55,800 9	Spawar 86			San Clemente Island, CA	0	51	\$408,000	47	4		-								52	All targets scored out not recovered. Recovered with KSC-1 along with 77WPS Score on 4-10 June 2012
RSC-1	Spawar 86	MK4 Range Maintenance		Alpha Field, CA	9	9	\$55,800	L]		\perp			<u>L</u>	9			
RSC-1 COMOMAG 4/16/12 Imperial Beach, CA 14 14 \$113,800 2 2 4 8 8 6/4/12. RSC-1 77 WPS 6/10/12 San Clemente Island, CA 13 24 \$372,000 14 10		MCM-EX																	-	
RSC-1 77 WPS 6/10/12 San Clemente Island, CA 13 24 \$372,000 14 10	RSC-1	COMOMAG		Imperial Beach, CA	14	14	\$113,800	-			_			2			4	8		
WRB-101 RIMPAC 7731/12 PMRF, Kauai, HI 3 26 \$208,000 26 23 Navajo RIMPAC 8/8/12 Pearl Harbor, HI 0 12 \$62,580 3 12 RSC-1 RIMPAC 8/28/12 San Diego, CA 0 73 \$476,368 4 115 20 15 4 4 11 73 RSC-1 Trident Warrior 08/29/12 Camp Pendleton, CA 0 6 \$17,502 6 6	P00 :	77 WDC	6/4/12-	0 01							40									
WRB-101 RIMPAC 7/31/12 PMRF, Kauai, HI 3 26 \$208,000 26	RSC-1	// WPS		San Clemente Island, CA	13	24	\$372,000	14			10					1				
Navajo RIMPAC 8/8/12 Pearl Harbor, HI 0 12 \$62,580 3 12 RSC-1 RIMPAC 8/28/12 San Diego, CA 0 73 \$476,368 4 15 20 15 4 4 11 73 RSC-1 Trident Warrior 08/29/12 Camp Pendleton, CA 0 6 \$17,502 6 6 6	WRB-101	RIMPAC		PMRF, Kauai, HI	3	26	\$208,000	26]					<u>L</u>			23	
Navejo RIMPAC 8/8/12 Pearl Harbor, HI 0 12 \$62,580 3 6 3 12 RSC-1 RIMPAC 8/28/12 San Diego, CA 0 73 \$476,368 4 15 20 15 4 4 11 73 RSC-1 Trident Warrior 08/29/12 Camp Pendleton, CA 0 6 \$17,502 6 6 6																				
RSC-1 RIMPAC 8/28/12 San Diego, CA 0 73 \$476,368 4 15 20 15 4 4 11 73 RSC-1 Trident Warrior 08/29/12 Camp Pendleton, CA 0 6 \$17,502 6 6 6	Navajo	RIMPAC		Pearl Harbor, HI	0	12	\$62,580		3		_ _	_		6 3		1			12	
RSC-1 Trident Warrior 08/29/12 Camp Pendleton, CA 0 6 \$17,502 6 6			8/6/12-																	
34MMPS/ 9/4/12,	RSC-1	KIMPAC	8/28/12	San Diego, CA	0	73	\$476,368		4				15	20 15	1 4	+	4	11	/3	
34MMPS/ 9/4/12,	RSC-1	Trident Warrior	08/29/12	Camp Pendleton, CA	0	6	\$17,502								6	3			6	
RSC-1 Kingfisher 9/10/12 San Clemente Island, CA 8 66 \$591,000 53 4 4 5 61							. ,,,,=													
	RSC-1			San Clemente Island, CA	8	66	\$591,000	53	4		4						5		61	

					#					1	,	ıκ									
				# Layed IAW	Recovered, SCORED,	Minimum Value	MK-		MK-										Other	# Targets Recovered	
Exer	rcise	Date	Location	System Specs	and/or GT Survey	of Items Recovered	MK - 62/82	16 Tail		12 Tail MK-65	MK-56 MK-	55 M	K-52 MH	-44 M	1K-46	Moored MK-53	MK-51	Moored MK-49	(not listed)	Beyond System Specs	Notes:
RSC-1	Tanner Banks / Kingfisher	9/17/12- 9/20/12	Tanner Banks/ SCI, CA	0	16	\$99,200												16		16	
SPAWAR 86	MK4 Range Maintenance	11/5/12 - 11/7/12	Alpha Field, San Diego, CA	0	12	\$85,800												9	3	12	Recovered 2 Anchors with cables and 1 PD
RSC-1	CTX/JTFEX	11/13/12- 11/18/12	San Clemente Island, CA	14	33	\$264,000	22		11											19	20 pingers recovered (14 working). 15 assets unrecovered due to insufficient position data. 1 unrecoverable. 1 old target recovered.
RSC-1	77WPS	11/29/2012- 12/2/2012	San Clemente Island, CA	14	36	\$432,000	28			8										22	
RSC-1	Imperial Beach SCORE field	03/19/2013- 03/28/2013	Imperial Beach, CA	0	18	\$141,720						1	2	6	2		2	5		7	11 targets video surveyed. 3 targets were unrecovered due to insufficient position data. Dives were conducted on 17 incorrect waypoints for these targets.
SPAWAR 20	69th BS	4/2/2013- 4/6/2013	San Clemente Island, CA	2	15	\$120,000	15														15 of 18 targets scored but not recovered. 3 targets jettisoned and not found. No pingers were heard. Recovery will be with RSC-1 along with 77WPS in Aug
SPAWAR 86	MK4 Range Maintenance	05/8/13 - 05/10/13	Alpha Field, San Diego, CA	0	11	\$75,800												9	2	12	
RSC-1	MCMEX 13	05/20/13	Imperial Beach, CA	6	6	\$37,200												6			4 targets were FIO bouys with flashing lights
SPAWAR 20	77WPS	5/23/13 - 5/28/13	San Clemente Island, CA	1	15	\$232,000		14		1 4											GT video of (14) MK16s and (1) MK12 conducted on 24-25 May. Only one pinger detected. No 56s found. MK12 is from CTX/JTFEX13.
RSC-1	Dawn Blitz13	6/23/13 - 6/29/13	Port Hueneme / Camp Pendleton, CA	22	45	\$329,880								6	8			10	21		45 of 65 recovered. Possitions were bad due to ship movement and impropper placement. 11 targets upside down.
USNS APACHE	VACAPES13/ Dawn Blitz13	7/9/2013 - 7/19/2013	Little Creek, VA	19	19	\$127,020								3	2			9	5		4 targets were FIO bouys with UIED. 5 targets were flooded or anchor only.
SPAWAR 86	MK4 Range Maintenance	7/15/2013 - 7/16/2013	Alpha Field, San Diego, CA	6	6	\$41,000												5	1		1 anchor only from target that had broken free.
RSC-1	P3/69BS/77W PS/CTX/ JTFEX	8/19/2013 - 8/24/2013	San Clemente Island, CA	3	36	\$494,000	11	13		1 11										33	Mk16 attachment point covered by chute. 1 Mk65 tailsection still attached pinging. 4 Mk62s not found, overgrown in rocks and kelp. 1 Mk12 recovered from CTX/JTFEX13, 1255yds from splash point.
RSC-1	EXP MINEX	08/26/13	Camp Pendleton, CA		5	\$1,730,600													5	5	Pulled 5 VEMS. Replanted 3. Other not listed: (2)- Mk75s(313K ea), (3)- Mk74s(556K ea)
RSC-1	EXP MINEX	9/3/2013 - 9/4/2013	Camp Pendleton, CA		22	\$5,347,002								4		6			17	22	Other not listed: (6)- Mk75s(313K ea), (6)- Mk74s(556K ea). (5)- Mk57s(19.5K ea)
SPAWAR 20	MK4 Range Maintenance	09/05/13	Alpha Field, San Diego, CA		1	\$6,200												1		1	RVM with Duck stuck on cable.
SPAWAR 20	UUV/Seaweed	09/18/13	Imperial Beach, CA	4	5	\$33,100								1				3	1		Recovered 3 MK49 in UUV field. 1 cable snapped during re-lay of field. Recovered anchor and end of day. Recovered 1 of 7 MK44s from Seaweed. No recovery vessel avail.
SPAWAR 86	MK4 Range Maintenance	10/03/13	Alpha Field, San Diego, CA		2	\$12,400												2		2	
RSC-1	Tanner Banks	10/28/13- 10/31/13	Tanner Banks	0	31	\$236,500						13		3				15		22	Recovered 14 37' moored spheres and replaced with 15 Mk49s. Recovered and reloacated 6 bottom targets to new loctions and
RSC-1	EXPMINEX / LOE3	10/31/13- 11/1/13	Camp Pendleton, CA	0	10	\$74,200								4				1	5		surveyed LOE3 field bottom targets after the drop.
RSC-1	EXPMINEX / LOE3	11/25/13- 11/26/13	Camp Pendleton, CA	18	18	\$123,800								4				9	5		Recovery of LOE3 field. 1 Mk25 dropped short of desired location. Unable to locate after 30 dives. Moored 4 Mk53s and 5 Mk49s. Other 2 Mk25s and 3 Mk36s.
	MK7 Range Maintenance	01/31/14	Charlie field, San Diego, CA	1	1	\$25,000													1		PD
SPAWAR 87	MK7		Charlie field, San Diego, CA		1	\$4,000													1		Mk7 DUCK baseplate
SPAWAR 86	UUV / IB	02/10/14	Imperial Beach, CA	3	3	\$18,600												3			
SPAWAR 87	MK7	03/04/14	Charlie field, San Diego, CA		1	\$25,000													1		Recovered Mk7 YB PD can.
SPAWAR 86		03/20/14	Imperial Beach, CA		1	\$6,200												1			Recovered moored target that a UUV was entangled in.
RSC-1	CVW17 / 28BS / 340WPS	3/24/14- 3/30/14	San Clemente Island, CA	31	82	\$710,000	70	8	1	3											10 working pingers
RSC-1	UUV / IB(RIMPAC12) CVW17 /	4/15/2014 - 4/16/2014	Imperial Beach, CA	19	19	\$144,637						1	2	6	2	1	2	5			1 Mk53 on bottom vertical without anchor
RSC-1	28BS / 340WPS COMSUBPAC	4/21/14- 4/25/14	San Clemente Island, CA	15	29	\$250,000	10	15	3	1											no working pingers
SPAWAR 86	Range Maintenance	5/19/14- 5/21/14	Alpha Field, San Diego, CA	12	12	\$74,400												12			
SPAWAR 87	UUV	05/22/14	Alpha Field, San Diego, CA	1	1	\$1,000													1		UUV beacon
RSC-1	CTX/JTFEX 14	6/23/14- 6/26/14	San Clemente Island, CA	23	30	\$276,000		28		2											2 targets unrecoverable due to parachute covering attachment point. 1 target unrecoverable due to married lines separating during recovery.

					#						ME	(
Exe	rcise	Date	Location	IAW SCO System and/o	vered, DRED, or GT rvey	Minimum Value of Items Recovered	MK - 62/82	16 Tail	MK - 63/83	12 Tail MK-65	MK-56 MK-55	MK-52	MK-44	MK-46	Moored MK-53	MK-51	Moored MK-49	Other (not listed)	# Targets Recovered Beyond System Specs	Notes:
RSC-1	RIMPAC	7/9/14-	San Diego, CA	70	70	\$7,459,285	02/02	10 1411	00,00	72 7dii MIX 00		В	8	15	5		5	29	Spess	Other not listed: (10)- Mk74s(556K ea), (5)- Mk75s(313K ea), (11)- Mk25/36s, (3)- Mk50s
	MK7		Charlie field, San Diego, CA		1	\$25,000												1		Recovered Mk7 YB PD can.
USNS GRAPPLE	VACAPES14/ AMNS	8/25/14 - 9/02/14		40	20										40					
		9/4/14 -	Little Creek, VA	19	20	\$123,670									10			3		3 targets were MK36s.
	UUV / IB	9/22/14	Imperial Beach, CA	8	8	\$49,600											8			
SPAWAR 87	MK7 COMSUBPAC Range	9/29/14-	Charlie field, San Diego, CA		1	\$4,000												1		Recovered Mk7 YB
SPAWAR 86	Maintenance	9/30/14	Alpha Field, San Diego, CA	4	4	\$14,951									3		1			
RSC-1 USNS	340WPS	10/09/14	San Clemente Island, CA		54	\$432,000	52		2											
CATAWBA	IMCMEX14	11/25/14	Manama, Bahrain	37	37	\$259,501					1	2		3	13			9		Other not listed: (9) MK25s
RSC-1	28BS/ Kingfisher COMSUBPAC	12/15/14- 12/17/14	San Clemente Island, CA	12	19	\$135,800		10									9			
SPAWAR 86	Range Maintenance	12/22/14	Alpha Field, San Diego, CA	4	4	\$14,951									3		1			
SPAWAR 86	UUV / IB	12/29/14	Imperial Beach, CA	5	5	\$31,000											5			
RSC-1	SCORE / IB	02/23/15	Imperial Beach, CA	20	20	\$175,328							4 4	1	4	3	4			
RSC-1	340WPS	3/16/15- 3/21/15	San Clemente Island, CA	81	81	\$684,000	71		8	2										
USS Champion (MCM-4)	ULT-15	4/13/2015- 4/16/2015	Imperial Beach, CA	2	2	\$562,200											1	1		Other not listed: (1) MK 74 (\$556,000)
RSC-1	CVW-9	4/20/15- 4/22/15	San Clemente Island, CA	7	12	\$96,000		12											5	16 total dropped. 4 working pingers
SPAWAR 86	Range Maintenance		Alpha Field, San Diego, CA	4	4	\$40,000												4		Other not listed: (2) PDM3, (2) PD
RSC-1	CVW-2	7/13/15- 7/15/15	San Clemente Island, CA		19	\$168,000		17		2									11	
RSC-1	Tanner Bank	7/16/15-	Tanner Bank		29	\$318,000				-							15			
				29	29							2					15		0	
SPAWAR 87	UUV		Imperial Beach, CA	1	1	\$100,000												1		Flooded 6° Dia. UUV
SPAWAR 20	UUV	08/18/15 8/31/15-	Imperial Beach, CA	1	1	\$100,000												1		Experimental sensor (2) Mk62 and (1) Mk63 recovered from previous mission. (1) Mk62 unrecoverable with bail against rock. (1) Mk65
RSC-1	340WPS/96BS		San Clemente Island, CA	61	65	\$646,000	55	0	3	0 7	0	0	0 0	0	0	0	0	0	3	unrecoverable with tail still attached.
SPAWAR 86	UUV / IB	9/3/15	Imperial Beach, CA	8	8	\$49,600											8			
SPAWAR 86	UUV / IB COMSUBPAC	09/09/15	Imperial Beach, CA	3	3	\$18,600									0	0	3			
	Range Maintenance	09/10/15	Alpha Field, San Diego, CA	3	3	\$30,000									0		0	3		(3) RVMs
Acoustic Explorer	UUV / IB	09/29/15	Imperial Beach, CA	12	12	\$35,004									12	0	0			
RSC-1	NUWC POTR project	10/15/15	San Clemente Island, CA	1	1	\$35,000												1		POTR sensor
RSC-1	Vigilant Shield 2016	11/13/2015- 11/19/2015	Imperial Beach / Seal Beach, CA	30	30	\$2,898,000						6	4				1	19		Other not listed: (4) - Mk74s(556K ea), (1) - Mk75s(313K ea), (8) - Mk51/36s(15K ea), (2) - Mk25s(18K ea), (4) - Mk57s(19.5K ea). MK49 anchor only(1K ea)
SPAWAR 86	Range Maintenance	11/23/15	Alpha Field, San Diego, CA	4	4	\$40,000												4		Other not listed: (2) PDM3, (2) PD
RSC-1	340WPS	3/14/2016- 3/18/2016	San Clemente Island, CA	57	57	\$528,000	53			4										(4) Mk63s unrecoverable (video w/o MMS recovery gear) (1) Mk65 not found (pinger not working)
RSC-1	SCORE / IB	4/05/16- 4/07/16	Imperial Beach, CA	21	20	\$163,548							4 3	3	4	2	4			(1) MtS1s attachment is on the ground. SL are distracted by the line between the lugs and are unsuccessful at hooking up. (1) MtS1 and (1) Mtk4 not found.
Acoustic Explorer	PC HFWB	4/13/16- 4/14/16	Imperial Beach, CA	33	33	\$83,837							1 2	2	1	1	1	25		Other not listed: (25) similar to Mk45.
	UUV IB Range Maintenance			40	40	\$41,800							_	-						, , , , , , , , , , , , , , , , , , , ,
OI ATTAK OO	···an nor lattice	03/09/10	Imperial Beach, CA	10	10	\$41,800			<u> </u>	I		1	1 5	5			1	U	1	

				# Layed	# Recovered.						MK	I							# Targets	1
Evo	rcise	Date	Location	IAW System Specs	SCORED, and/or GT Survey	Minimum Value of Items Recovered	MK - 62/82	16 Tail	MK - 63/83	12 Tail MK-65	MK-56 MK-55	MK-52	MK-44	MK-A6	Moore	nd 3 MK-51	Moore	Other d (not listed)	Recovered Beyond System Specs	Notes:
SPAWAR 86	Range		Alpha Field, San Diego, CA	Оросо	Ourrey	\$30,000		70 74	00,00	12 rds mr. co	micoo micoo							notedy	Speed	Other not listed: (2) PDM3, (1) PD
USNS		4/26/16-		3	3													3		Other not issed: (2) PDM3, (1) PD
CATAWBA	UUV IB Range	5/23/16	Manama, Bahrain	59	59	\$611,500					22		5 9		0	0 1	1	0		
	Maintenance Range		Imperial Beach, CA	6	6	\$37,200							0		0		6	0		
SPAWAR 86	Maintenance	05/23/16	Alpha Field, San Diego, CA	4	4	\$24,800											4	0		
RSC-1	9/37BS		San Clemente Island, CA	71	86	\$718,000	79		1	3										6 targets scored but unrecoverable due to fouled attachments
RSC-1	RIMPAC16	7/15/16- 9/12/17	San Diego, CA	70	70	\$3,643,517				4	18	13	2			1	7 18	5		Other not listed: (5)- Mk74s(556K ea)
RSC-1	RIMPAC16	10/03/16- 10/06/16	San Clemente Island, CA	13	13	\$176,000			4			8	3							(1) Mk62 unrecoverable- bail is overgrown.
RSC-1	340WPS	10/03/16- 10/06/16	San Clemente Island, CA	12	27	\$176,000	22													videoed (4) Mk63s w/12 tails with no MMS recovery bar. (1) Mk62 unrecoverable with bail against the rocks.
SPAWAR 86	UUV IB Range Maintenance		Imperial Beach, CA	6	6	\$25,080							3		3					
RSC-1	стх	11/15/16-	San Clemente Island, CA	23	21			21												2 targets unrecoverable due to weather. 2 targets without pingers not found.
	Range		Alpha Field, San Diego, CA	23		\$40,000		- 21												Other not listed: (2) PDM3, (2) PD
	Maintenance Range	12/7/2016-		4	4													4		
	Maintenance	1/9/2017-	Alpha Field, San Diego, CA	14	14	\$98,200											11	3		Other not listed: (3) RVM
RSC-1	9th BS Range	1/15/2017	San Clemente Island, CA	45	45	\$425,000	40			5										
SPAWAR 86	Maintenance UUV IB Range	03/14/17	Alpha Field, San Diego, CA	4	4	\$27,860							2		1		1			
SPAWAR 86	Maintenance	04/05/17	Imperial Beach, CA	3	3	\$18,600											3			
RSC-1	CTX 9BS		San Cliemente Island	46	53	\$496,000	49			4									7	
SPAWAR 86	Range Maintenance	5/31/2017- 6/1/2017	Alpha /UUV IB Fields, San Diego, CA	15	15	\$115,800											9	6		other not listed: (2) PDM3, (3) RVM, (1) MO8
SPAWAR 86	Range Maintenance	06/07/17	Alpha Field, San Diego, CA	1	1	\$10,000												1		Other not listed: (1) PD
SPAWAR 86	Code 56 Tanner Banks	07/10/17	San Diego, CA	3	3	\$30,000												3		Other not listed: (3) Sea Lion Anchors attached to Code 56 equipment.
RSC-1	Range maintenance	7/17/2017- 7/20/2017	Tanner Banks	29	29	\$318,000						12	2 2				15			One MK-44 not at location provided
M/V Merlin	HTS testing	8/14/2017- 8/15/2017	San Diego, CA	14	14	\$7,532,009												14		Other not listed: (13)- Mk74s(556K ea), (1)- Mk75s(313K ea),
M/V Merlin	HTS testing	8/15/2017- 8/16/2017	San Diego, CA	4	4	\$69,000					3						1			(1) MK36 recovered, same value as MK51s. (2) MK25 recovered, same value as MK55s.
RSC-1	CTX17 & 20th BS	8/28/17- 8/31/17	San Clemente Island, CA	18	42	\$232,000	29													MULTIPLE TARGETS W/0 ATTACHMENTS OR PINGERS, GREATER THAN %50 LAYED OUTSIDE OF SYSTEM SPECS.
SPAWAR 86	Range Maintenance	11/7/17-	Alpha /UUV IB Fields, San Diego, CA	14	14	\$95,860									1		10	3		other not listed: (3) RVM
SPAWAR 86	Range		UUV IB Field, San Diego, CA	1	1	\$6,200														
	Range		Alpha Field, San Diego, CA														Ţ,			
	Maintenance Range			4	4	\$40,000												4		Other not listed: (2) PDM3, (2) PD
SPAWAR 86	Range		UUV Field, San Diego, CA	4	4	\$17,360							3		1					
	Maintenance Range		UUV Field, San Diego, CA	9	9	\$37,940							5		4					
SPAWAR 86	Maintenance Range	03/21/18	UUV Field, San Diego, CA	5	5	\$42,400											2	3	3	other not listed: (3) RVM
SPAWAR 86	Maintenance	04/16/18	UUV Field, San Diego, CA	8	8	\$34,080							5	:	3					
SPAWAR 86	Range Maintenance	05/08/18	Alpha Field, San Diego, CA	5	.5	\$27,580	2						<u> </u>		3					

					#		MK														
Free	ercise	Date	Location	# Layed IAW System	Recovered, SCORED, and/or GT Survey	Minimum Value of Items Recovered	MK -	MF 16 Tail 63/	;-	all MV	E MV E			-2 44	V 44 MV 46	Moored	MV E1	Moored	Other (not listed)	# Targets Recovered Beyond System Specs	Notes:
EXE	rcise	Date	Location	Specs	Survey	Recovered	02/82	16 I all 63/6	3 12 1	ali ivin-c	o IVIN-o	o wr-o	o MIN-o	DZ WIN	N-44 W/N-40	WK-53	WIN-31	W/A-49	listea)	Specs	Notes:
SPAWAR 86	Range	05/24/49	HIN/Field Cor Direct CA	40	10	600,000	١.											q			
SPAWAR 86	Maintenance	05/31/18	UUV Field, San Diego, CA	10	10	\$63,800	1											9			
	Range					212.102												2			
SPAWAR 86	Maintenance	06/13/18	Alpha Field, San Diego, CA	2	2	\$12,400												2			
	Range																				
SPAWAR 86	Maintenance	06/19/18	UUV Field, San Diego, CA	1	1	\$8,000	1														
	Range																				
SPAWAR 86	Maintenance	06/27/18	Alpha Field, San Diego, CA	2	2	\$21,200			-								1	1			
	Range																				
SPAWAR 86	Maintenance	07/05/18	Alpha Field, San Diego, CA	2	2	\$12,400			-									2			
RSC-1	RIMPAC18	08/01/18	San Diego, CA	109	103	\$2,585,947			-				3	21	27 6	11	5	11	20	5	(2) Navitar 13(556K ea), (2) navitar 14(313K ea), (3) MK25(18K ea), (12) MK45(2K ea)
		8/21/18-																			
RSC-1	CTX/ CSG15	8/23/18	San Clemente Island, CA	12	12	\$96,000		12		_											
	Range																				
SPAWAR 86	Maintenance	09/06/18	Alpha Field, San Diego, CA	3	3	\$22,400				_								2	1		Other not listed: (1) RVM
SPAWAR 87	MK6	09/26/18	1SD, San Diego, CA		2	\$1,700				_									2		Recovered (2) Mk6 Mannequins
SPAWAR 86	Range	10/1/2018-																			
SPAWAR 86	Maintenance	10/2/2018	UUV Field, San Diego, CA	10	10	\$73,400				_								7	3		Other not listed: (3) RVM
	Range																				
SPAWAR 86	Maintenance	12/05/18	Alpha Field, San Diego, CA	1	1	\$10,000				_									1		Other not listed: (1) RVM
	Range																				
SPAWAR 86	Maintenance	12/10/18	Alpha Field, San Diego, CA	3	3	\$30,000			-										3		Other not listed: (2) PDM3, (1) PD
		12/19/18-																			
MV Merlin	SLMMEX	12/21/18	San Clemente Island, CA	3	3	\$675,000				_									3		Other not listed: (3) MK67
	Range Maintenance																				
SPAWAR 86	Maintenance	12/26/18	UUV Field, San Diego, CA	7	7	\$36,580	2			_					2 3						
	Range																				
SPAWAR 86	Maintenance	01/23/19	UUV Field, San Diego, CA	3	3	\$30,000				_									3		Other not listed: (3) RVM
	Range																				
SPAWAR 86	Maintenance	01/29/19	UUV Field, San Diego, CA	3	3	\$30,000			-					+		-			3		Other not listed: (3) RVM
	Range																				
SPAWAR 86	Maintenance	02/07/19	UUV Field, San Diego, CA	3	3	\$30,000	-				-	-		-				<u> </u>	3		Other not listed: (3) RVM
	Range																				
SPAWAR 86	Maintenance	02/26/19	Alpha Field, San Diego, CA	1	1	\$10,000			-					+		-			1		Other not listed: (1) PD
	340WPS/	04/01/19-																			
Surveyor	MAG-11	04/05/19	San Clemente Island, CA	28	31	\$304,000	16	8		7	_		_				L	ļ		ļ	